**Bruhat Bangalore Mahanagara Palike**

**Executive Engineer Yelahanka Division**

**e of Work:Modified Estimate For Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division**

| | | | | | | | Estimate Cost | | 30.00 Lakhs |
|---|---|---|---|---|---|---|---|---|---|
| No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
| 1 | Removing and resetting of Kerb Stone (Approved Rate) | | | | | | | | |
| | **Approved Rate** | **118.00** | | | | | | | |
| | **Area Weightage 10%** | **11.80** | | | | | | | |
| | **Total Rate** | **129.80** | | | | | | | |
| | **Kempegowda Ward** | | | | | | | | |
| | KHB Colony[Near Raitara Sante] | 1 | 174.00 | | | 174.00 | | | |
| | | | | | | **174.00** | **M** | **104.00** | **18,096.00** |
| | **Approved Amount** | | 104.00 | | | | | | |
| 2 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)Issue Rate On 07-07-2022 | | | | | | | | |
| | **Basic Rate** | **5554.00** | | | | | | | |
| | **Area Weightage 10%** | **555.40** | | | | | | | |
| | **Total Rate** | **6109.40** | | | | | | | |
| | **Kempegowda Ward** | | | | | | | | |
| | **SSM Drain** | | | | | | | | |
| | Near Railway Track [Near Coefee Da | 1 | 42.00 | 0.80 | 0.15 | 5.04 | | | |
| | **Kerb Stone** | | | | | | | | |
| | KHB Colony[Near Raitara Sante] | 1 | 389.00 | 0.20 | 0.10 | 7.78 | | | |
| | Surabhi Layout | 1 | 103.50 | 0.20 | 0.10 | 2.07 | | | |
| | | 1 | 100.00 | 0.20 | 0.10 | 2.00 | | | |
| | | | | | | **16.89** | **Cum** | | |
| | | | | **Upto 125 %** | | **14.48** | **Cum** | **4888.00** | **70,753.80** |
| | | | | **Above 125 %** | | **2.42** | **Cum** | **4888.00** | **11,804.52** |
| | **Approved Amount** | | 4888.00 | | | | | | |
| 3 | Supplying and fixing M15 grade precast cement concrete **Kerb stones** for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone (V-III No-6.3,P No-146 of PWD BCSR 2021-22) | | | | | | | | |
| | **Kempegowda Ward** | | | | | | | | |
| | KHB Colony[Near Raitara Sante] | 1 | 216.00 | | | 216.00 | | | |
| | Surabhi Layout | 1 | 103.50 | | | 103.50 | | | |
| | | 1 | 100.00 | | | 100.00 | | | |
| | | | | | | **419.50** | **m** | | |
| | | | | | | **933.00** | **Nos** | **406.00** | **378798.00** |
| | **Approved Amount** | | 406.00 | | | | | | |
| 4 | **Painting two coats** after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, P.No.56, I.No.8.10 of PW, PWD SR 2021-22) | | | | | | | | |
| | **Basic Rate** | **85.00** | | | | | | | |
| | **Area Weightage 10%** | **8.50** | | | | | | | |
| | **Total Rate** | **93.50** | | | | | | | |
| | **Kempegowda Ward** | | | | | | | | |

| | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | KHB Colony[Near Raitara Sante] | 1 | 389.00 | | 0.35 | 136.15 | | | |
| | S abhi Layout | 1 | 103.50 | | 0.35 | 36.23 | | | |
| | | 1 | 100.00 | | 0.35 | 35.00 | | | |
| | | | | | | **207.38** | **Sqm** | **75.00** | **15,553.13** |
| | **Approved Amount** | | 75.00 | | | | | | |
| | | | | | | | | | |
| 5 | Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges) | | | | | | | | |
| | **Basic Data Rate** | **2072.00** | | | | | | | |
| | **Missing or Damaged Slabs** | | | | | | | | |
| | Near Railway Track [Near Coefee Day] | 70 | 0.60 | 1.20 | | 50.40 | | | |
| | | 7 | 0.60 | 1.50 | | 6.30 | | | |
| | udupi grand | 20 | 0.60 | 1.20 | | 14.40 | | | |
| | Gandhi Nagara[idly Shankar Mane] | 20 | 0.60 | 0.90 | | 10.80 | | | |
| | | 30 | 0.60 | 0.75 | | 13.50 | | | |
| | Beedhi Road | 50 | 0.60 | 1.50 | | 45.00 | | | |
| | | 139 | 0.60 | 0.90 | | 75.06 | | | |
| | Hosa Beedhi Rd | 40 | 0.60 | 0.75 | | 18.00 | | | |
| | | | | | | **233.46** | **Sqm** | **1658.00** | **387076.68** |
| | **Approved Amount** | | 1658.00 | | | | | | |
| | | | | | | | | | |
| 6 | Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., | | | | | | | | |
| | **Missing or Damaged Slabs** | | | | | | | | |
| | Ex Coporator brother House | 15 | 0.60 | 1.80 | | 16.20 | | | |
| | | 5 | 0.60 | 1.20 | | 3.60 | | | |
| | 4th Main Lake View Layout | 3 | 0.60 | 1.20 | | 2.16 | | | |
| | 2nd Main Lake View Layout | 2 | 0.60 | 1.20 | | 1.44 | | | |
| | | 10 | 0.60 | 1.20 | | 7.20 | | | |
| | | | | | | **30.60** | **Sqm** | | |
| | | | | **Upto 125 %** | | **16.88** | **Sqm** | **4030.00** | **68,006.25** |
| | | | | **Above 125 %** | | **13.73** | **Sqm** | **4030.00** | **55,311.75** |
| | **Approved Amount** | | 4030.00 | | | | | | |
| | | | | | | | | | |
| 7 | Hydraulic Excavator of 0.9 Cum Bucket (2021-22 SR V-I Sl.No-50 P.No-A45) | | | | | | | | |
| | | 6 | 6 | | | 36 | | | |
| | | | | | | **36** | **Hr** | **755.00** | **27180.00** |
| | **Approved Amount** | | 755.00 | | | | | | |
| | | | | | | | | | |

| | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | 1024 - Providing Tractor 40 HP Hire Charges of including Operator and Fuel (P_XLVIII / I_19) PWD SR 2018- | | | | | | | | |
| | | | 135 | | | 135 | | | |
| | | | | | | **135** | Day | 1030.00 | **139050.00** |
| | **Approved Amount** | | 1030.00 | | | | | | |
| 9 | Providing Causal Labours (Unskilled mazdoor Heavy) (PWD SR 2021-22 Page No-A52 , V-I ) | | | | | | | | |
| | | 8 | 135 | | | 1080 | | | |
| | | | | | | **1080** | Nos | 486.22 | **525118.00** |
| | **Approved Amount** | | 486.22 | | | | | | |
| 10 | Supply and fixing of Retro Reflective **Single arrow road name sign board** of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete. as per clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender.(Approvied Arrival Rate) | | | | | | | | |
| | **Data Rate** | 38000.00 | | | | | | | |
| | | 4 | | | | 4.00 | | | |
| | | | | | | **4.00** | **Nos** | **30400.00** | **121600.00** |
| | **Approved Amount** | | 30400.00 | | | | | | |
| | **EIRL** | | | | | | | | |
| E1 | Earth work **excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum.(Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) & (V-III Page No.3, Item No.1.1 A of PWD SR 2021-22) | | | | | | | | |
| | **Basic Rate** | **186.00** | | | | | | | |
| | **Loading And Unloading** | 118.00 | | | | | | | |
| | **Sub Total** | 304.00 | | | | | | | |
| | **Area Weightage 10%** | 30.40 | | | | | | | |
| | **Sub Total** | 334.40 | | | | | | | |
| | **Below 15.84%** | 52.97 | | | | | | | |
| | **Total Rate** | **281.43** | | | | | | | |
| | **Drain Desilt** | | | | | | | | |
| | **Ward No-01** | | | | | | | | |

| o | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Near Railway Track [Near Coefee D[illegible]] | 1 | 190.00 | 0.60 | 0.95 | 108.30 | | | |
| | **SSM Drain** | 1 | 42.00 | 0.80 | 0.80 | 26.88 | | | |
| | Near Railway Track [Near Coefee Day] | | | | | **135.18** | **Cum** | **281.43** | **38,043.85** |
| E2 | Providing and laying in position **Reinforced cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm** nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22) Apendx I, V-I P.No-115)(Issue rate on 07-04-22) | | | | | | | | |
| | **Basic Rate** | **5968.00** | | | | | | | |
| | **5% Centring** | 298.40 | | | | | | | |
| | **Sub Total** | 6266.40 | | | | | | | |
| | **Area Weightage 10%** | 626.64 | | | | | | | |
| | **Sub Total** | 6893.04 | | | | | | | |
| | **Below 15.84%** | 1091.86 | | | | | | | |
| | **Total Rate** | **5801.18** | | | | | | | |
| | **RCC Drain Coping** | | | | | | | | |
| | Gandhi Nagara[idly Shankar Mane] | | | | | | | | |
| | LHS | 2 | 195.00 | 0.15 | 0.10 | 5.85 | | | |
| | | | | | | **5.85** | **Cum** | **5801.18** | **33936.92** |
| E3 | Providing **Size Stone masonry** with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (V-II, No-5.4, P.No-9 of PWD SR 2021-22) (Issue rate on 07-04-22) | | | | | | | | |
| | **Basic Rate** | **5352.00** | | | | | | | |
| | **Area Weightage 10%** | 535.20 | | | | | | | |
| | **Sub Total** | 5887.20 | | | | | | | |
| | **Below 15.84%** | 932.53 | | | | | | | |
| | **Total Rate** | **4954.67** | | | | | | | |
| | **SSM Drain Wall** | | | | | | | | |
| | Near Railway Track [Near Coefee Day] | 2 | 42.00 | 0.60 | 0.85 | 42.84 | | | |
| | | | | | | **42.84** | **Cum** | **4954.67** | **212257.96** |
| E4 | Providing and laying in position Reinforced **cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **Mix 1:2:4 (M15)** Using 20 mm nominal size graded crushed coarse aggregates (V-I, No-2.4.1, P.No-17 of PWD SR 2021-22). (Issue rate on 07-04-22) | | | | | | | | |
| | **Basic Rate** | **5880.00** | | | | | | | |
| | **Area Weightage 10%** | 588.00 | | | | | | | |
| | **Sub Total** | 6468.00 | | | | | | | |
| | **Below 15.84%** | 1024.53 | | | | | | | |
| | **Total Rate** | **5443.47** | | | | | | | |

| o | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | S I Drain Wall Coping | | | | | | | | |
| | Near Railway Track [Near Coefee Da | 2 | 42.00 | 0.45 | 0.10 | 3.78 | | | |
| | | | | | | **3.78** | **Cum** | **5443.47** | **20576.31** |
| E5 | **Cost of Haulage Excluding Loading** and Unloading Taking output 10 t load and lead 10 km = 100 t.km(V-III Page No.3, Item No.1.4A of PWD SR 2021-22) | | | | | | | | |
| | **Basic Rate** | **12.00** | | | | | | | |
| | **8KM Lead = 12*8** | 96.00 | | | | | | | |
| | **Area Weightage 10%** | 9.60 | | | | | | | |
| | **Sub Total** | 105.60 | | | | | | | |
| | **Below 15.84%** | 16.73 | | | | | | | |
| | **Total Rate** | **88.87** | | | | | | | |
| | Qty frm Item No-E1 | | 135.2 | 1.28 | | 173.03 | | | |
| | | | | | | **173.03** | t.Km | 88.87 | **15,377.72** |
| | | | | | | | | **Total Construction Cost** | **2138540.88** |
| | | | | | | | | **18% GST for Construction Cost** | **384937.36** |
| | | | | | | | | **Sub Total** | **2523478.24** |

Assistant Engineer
Ward No-01
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka Zone)
Yelahanka, Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

**Technical Sanction**
Accorded For Rs 2523478.24
Head of A/C P 3726
CER NO : 90 Dt: 14/03/23

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